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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**POLREP**

Date: January 19, 1996
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Subject: Autodeposition Inc. Site
Chicago, IL
Polrep No: Polrep 25 and final
Site ID: A01
D.O. No: 5001 - 05 - 373
Response Auth.: CERCLA/Emergency Response
NPL Status: NON-NPL
Start Date: 06/29/95 (Action Memo signed 7/28/95)
Demobe Date: December 29, 1995
Completion Date: January 17, 1996

BACKGROUND: See previous POLREPS for site history.

ACTIONS TAKEN: The Smith\Riedel Environmental Services (RES) cleanup crew completed their removal activities and demobed all personnel and most RES equipment from the site on 12/15/95. One roll-off box of chrome debris remained on site to be shipped for disposal the following week. In addition, RES kept a decon water tank and some support zone equipment on-site for use by Asbestos Control Inc. (ACI), an RES subcontractor, in their friable asbestos removal activities.

ACI mobilized to the site and initiated friable asbestos removal work on 12/19/95. Approximately 1400 linear feet of piping was cleared of friable asbestos insulation and the insulation was placed in 229 sixty gallon bags. The bags were placed in a 30 cubic yard roll-off and were shipped by American Disposal to Community Landfill, 1501 Ashley Road, Morris, IL for disposal on 12/29/95. Asbestos insulation on the basement boiler was not removed and an asbestos warning sign was placed on the entrance door to the basement. The RES response manager oversaw asbestos removal activities. ACI demobed all equipment and personnel on 12/29/95.

On 12/20/95, the last load of chrome debris (20 cy.) was shipped to City Env. via Ozinga Trans. via Michigan manifest# MI 4182308.

On 1/17/96, the RES response manager returned to the site to pick up the decon water tank, the last of RES's equipment that remained at the site.

CURRENT SITUATION: The building entrances are locked and the building is unoccupied. All tanks and containers have been removed from the building, with the exception of two underground storage tanks, which contain heating oil. The above ground sulphuric acid storage tank in the rear outside area of the site was cut open, was cleaned of all residues, and remains in its support saddle. The water supply to the site's fire sprinkler system remains valved off at the City's control valve beneath the City sidewalk in the front off the building. The fire sprinkler system is not functional and will flood the building if the control valve is turned on.

FUTURE ACTIONS: No additional removal activities are planned. The OSC will assist the Chicago Department of Environment with Brownfields efforts for reuse of the property, as requested.

RESULTS ACHIEVED: Access to the site was secured by boarding up the rear truck entrance to the building and locking other entrances. The areas in the front of the building where chromic acid leaked to the City sidewalk from cracks in the building foundation/brick walls were cleaned and sealed with mortar. Samples collected from visibly stained bricks in the walls of the east and west rooms identified elevated concentrations of heavy metals in the bricks. The stained areas on the walls were scarified and removed. Visibly stained soils in the unpaved areas between the City alley and the rear of the building were excavated. All plating wastes in containers, vats, and tanks were removed and disposed of at RCRA facilities, as shown below. All spillage to the floors was removed and the floors were swept and rinsed with water. The Autodeposition Line (paint immersion) plating equipment was cleaned and released to Stan Williams as requested by the site owners. Unusable plating equipment and waste water treatment equipment contaminated with plating wastes was cleaned and the steel scrap was sold to a recycler. Equipment that could not be cleaned (piping, wood flooring, plating barrels), excavated soils, scarified brick chips, and floor sweepings were disposed of as F008 or D007 debris, as shown below. Reusable steel and poly drums were cleaned and sent to drum reconditioners. All friable asbestos was removed from the site. Potential non-friable asbestos sources were not evaluated and asbestos insulation found on the basement boiler was not removed.

The Technical Assistance Team (TAT) and the U.S. EPA Technical Support Section performed a subsurface soil investigation using a concrete coring drill and a Geoprobe. 58 samples were collected from 12 locations. Each sample was screened on-site for typical plating contaminants. Eight selected samples were sent for commercial analyses for total metals and TCLP metals. The TAT prepared a report of the subsurface soil investigation dated 12/19/95, which indicates that the concrete floors and shallow soils beneath the floors are contaminated with heavy metals from

plating operations. TCLP analyses of soil samples collected beneath the west room and waste water treatment areas indicates the presence of leachable concentrations of cadmium in soil which render those soils a RCRA (D006) hazardous waste. TCLP analysis of a soil sample collected beneath the west room indicates the presence of leachable concentrations of chromium which renders that soil a RCRA (D007) hazardous waste. The 12/19/95 TAT report is on file at the U.S. EPA Region 5 WMD Records Center.

COST INFORMATION:

	TO DATE	CEILING
<u>ERCS (RES)</u>	\$377,078 (as of 1/2/96)*	\$ 450,000
<u>TAT</u>	\$32,469 (as of 12/18/95)**	

* estimated from 1900-55 and includes awaits costs.

** This cost does not include multiplier.

DISPOSAL INFORMATION				
WASTE STREAM	DATE SHIPPED	QUANTITY SHIPPED	DISPOSAL LOCATION	MANIFEST NUMBER
F008 DEBRIS	8/17/95	15 CY	MICHIGAN DISPOSAL	MI 4182307
	8/25/95	15 CY		MI 4182308
D007 DEBRIS	8/31/95	20 CY	CITY ENVIR. INC.	MI 3054844
	10/10/95	20 CY		MI 3649010
	10/16/95	20 CY		MI 4182305
	10/30/95	20 CY		MI 3730419
	11/08/95	20 CY		MI 3054845
	11/13/95	20 CY		MI 3987438
	11/17/95	20 CY		MI 3987439
	11/22/95	20 CY		MI 3987440
	11/30/95	20 CY		MI 3987441
	12/11/95	20 CY		MI 3987442
	12/20/95	20 CY		MI 3093292

DISPOSAL INFORMATION				
D002 CHROMIC & NICKEL LIQUID	9/25/95	5,000 GAL	RESEARCH OIL CO.	IL 6248948
	10/30/95	4,900 GAL		IL 4988957
	11/08/95	4,900 GAL		IL 4451431
	12/14/95	3,900 GAL		IL 6519714
D002 WASTE CORROSIVE LIQUID	9/29/95	1,200 GAL	CYANOKEM	MI 3730478
	10/25/95	4,300 GAL		MI 3054841
F008, D002, D006, D007 CYANIDE	10/1/95	1,550 GAL LIQUID	U.S. FILTER RECOVERY SYSTEM	MN 7301593
	11/09/95	110 GAL SOLID		MN 7301596
D001 FLAMMABLE	10/3/95	1,500 GAL LIQUID 220 GAL SOLID	PERMA-FIX OF DAYTON INC.	IL 6906081 IL 6519713
FRIABLE ASBESTOS	12/29/95	30 cy	Community Landfill	Waste Shipment Record # 2944